

GILA RIVER BASIN

09487140 SAN JOAQUIN WASH NEAR TUCSON, AZ

LOCATION.--Lat 32°10'07", long 111°07'58", NE¹/₄SE¹/₄ sec.32, T.14 S., R.12 E., Pima County, Hydrologic Unit 15050301, 1.1 mi northwest of the intersection of San Joaquin Road and the Tucson-Ajo Highway.

DRAINAGE AREA.--0.45 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1969	08-02-69	102		1976	09-25-76	480	
1970	07-19-70	487		1977	07-22-77	220	
1971	08-17-71	370		1978	01-15-78	127	
1972	10-17-71	190		1979	11-24-78	230	
1973	07-00-73	115		1980	00-00-80	0	
1974	07-00-74	135		1981	07-28-81	520	
1975	08-20-75	60					

Magnitude and probability of instantaneous peak flow based on period of record 1969-81

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
191	356	486	672	824	987
Weighted skew	(logs) =	-0.17			
Mean	(logs) =	2.27			
Standard dev.	(logs) =	0.33			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
69.3	2.5	2,530	0.0	3.0	11.0	2.1	4.7

